Major League Batting Averages

Directions: Pick a baseball card and record the player's name, batting average, expanded form, and word name of the decimal. Repeat until you have completed all baseball cards.

Player's Name	Batting Average	Expanded Form	Word Name
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

- Who do you think has the best batting average and why?

_____

_____

_____

Derek Jeter

Team: New York Yankees
Batting Average: 0.344

Vernon Wells

Team: Toronto Blue Jays
Batting Average: 0.322

Miguel Tejada

Team: Baltimore Orioles
Batting Average: 0.323

Chris Gomez

Team: Baltimore Orioles
Batting Average: 0.204

Gary Matthews

Team: Texas Rangers
Batting Average: 0.324

Henry Blanco

Team: Chicago Cubs
Batting Average: 0.250

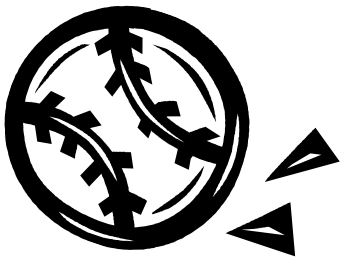
Josh Beckett

Team: Houston Astros
Batting Average: 0.143

Kevin Reese

Team: New York Yankees
Batting Average: 0.417

Homerun Derby



Directions: Record the number called by your teacher in any column of the place value chart. After four numbers, listen to what place each number was supposed to be in. For every digit placed correctly, you earn one homerun. Record the total number of homeruns for each round in your chart.

ROUND 1

Total Homeruns: ☐

ONES	.	TENTHS	HUNDREDTHS	THOUSANDTHS
	.			

ROUND 2

Total Homeruns: ☐

ONES	.	TENTHS	HUNDREDTHS	THOUSANDTHS
	.			

ROUND 3

Total Homeruns: ☐

ONES	.	TENTHS	HUNDREDTHS	THOUSANDTHS
	.			

ROUND 4

Total Homeruns: ☐

ONES	.	TENTHS	HUNDREDTHS	THOUSANDTHS
	.			

Name: _____

World Series Challenge

Write the **word name** for each number.

1. 3.25 _____

2. 6.936 _____

3. 41.8 _____

4. 95.331 _____

Complete the chart.

	DECIMAL	EXPANDED FORM	WORD FORM
5.	3.96		
6.		2 + 0.4 + 0.07 + 0.001	
7.			Six and thirty five thousandths
8.	5.047		

9. What is the word name for 6.402?

O a. Six thousand, forty-two

O b. Six and forty twos

O c. Six and four hundred two thousandths

O d. Six and four hundred two

What is the value of the underlined digit?

10. 46.<u>5</u>04

O a. 5 Hundredths
O b. 5 Tenths
O c. 5 Tens
O d. 4 Tenths

11. 6.9<u>2</u>

O a. 9 Hundredths
O b. 2 Ones
O c. 2 Tenths
O d. 2 Hundredths

12. 86.13<u>7</u>

O a. 7 Thousandths
O b. 7 Tenths
O c. 7 Hundredths
O d. 3 Thousandths

13. Write two interesting facts you have learned about baseball and why do you think that these facts are interesting?

_____

_____

_____

_____

_____

_____

14.

Brief Constructed Response

Part A

Use the symbols <, >, or = to make the statement true.

0.3 ☐ 0.30

Part B

Explain why your answer is correct. Use what you know about place value with decimals in explanation. Use words, numbers, and/or symbols in you explanation.

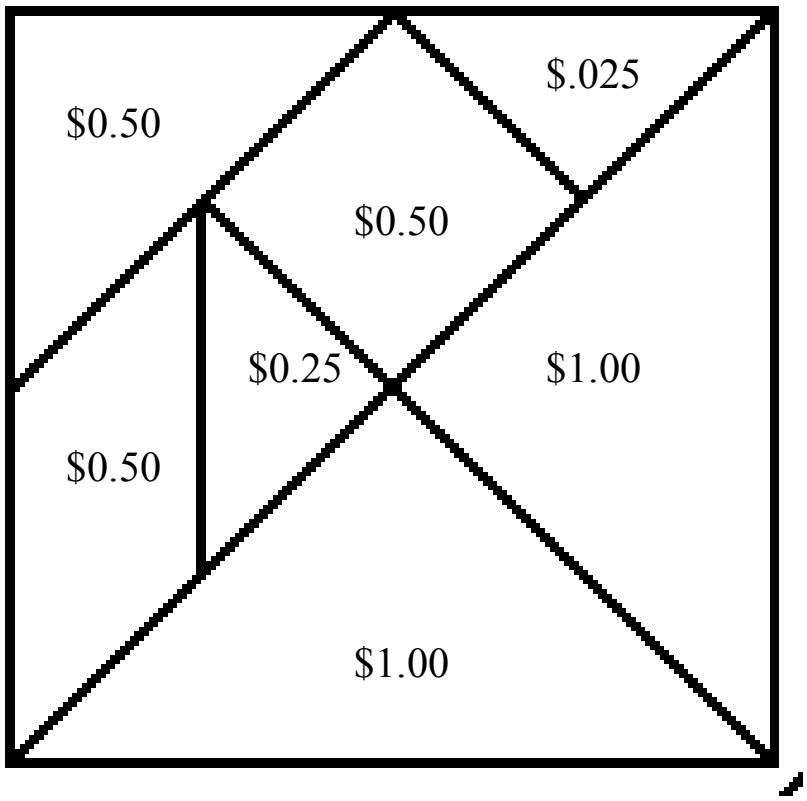
The Oriole Bird is in Trouble

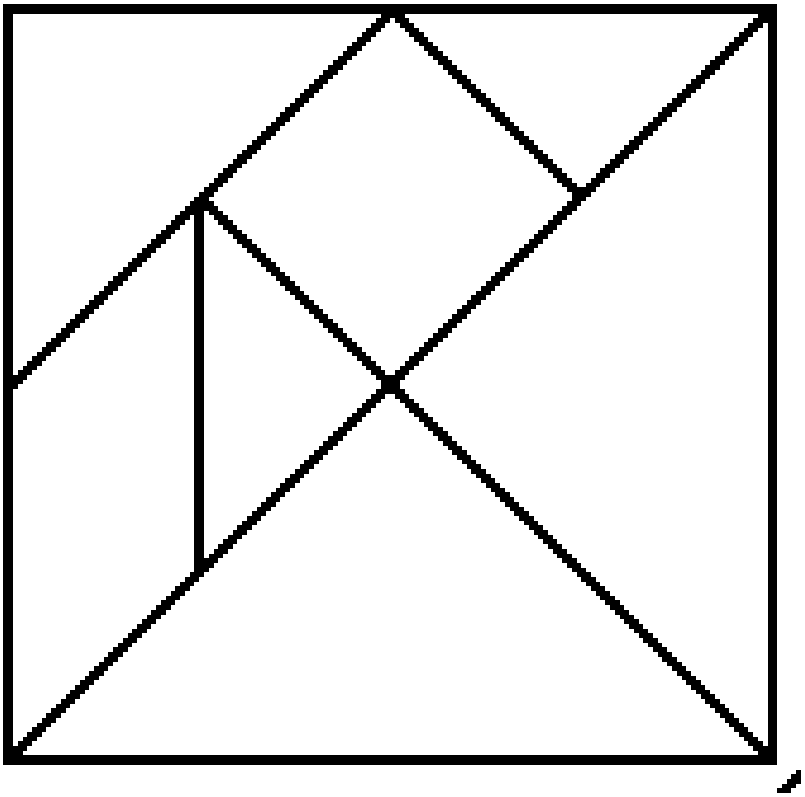
As you probably already know, the Baltimore Orioles' mascot is the Oriole Bird. One night the Orioles lost to the New York Yankees by a lot. The Oriole Bird was so angry and upset that he tore the first base into seven pieces. The manager of the Baltimore Orioles told the Oriole Bird that he had not acted in a proper manner and showed poor sportsmanship. One of his punishments was to replace the first base with a new one.

The Oriole Bird decided to sell the pieces of the first base to loyal fans in order to replace it for $4.00. How much did the Oriole bird have to charge for each piece to pay for the first base?

Teacher Resource 2
(Answer Sheet)

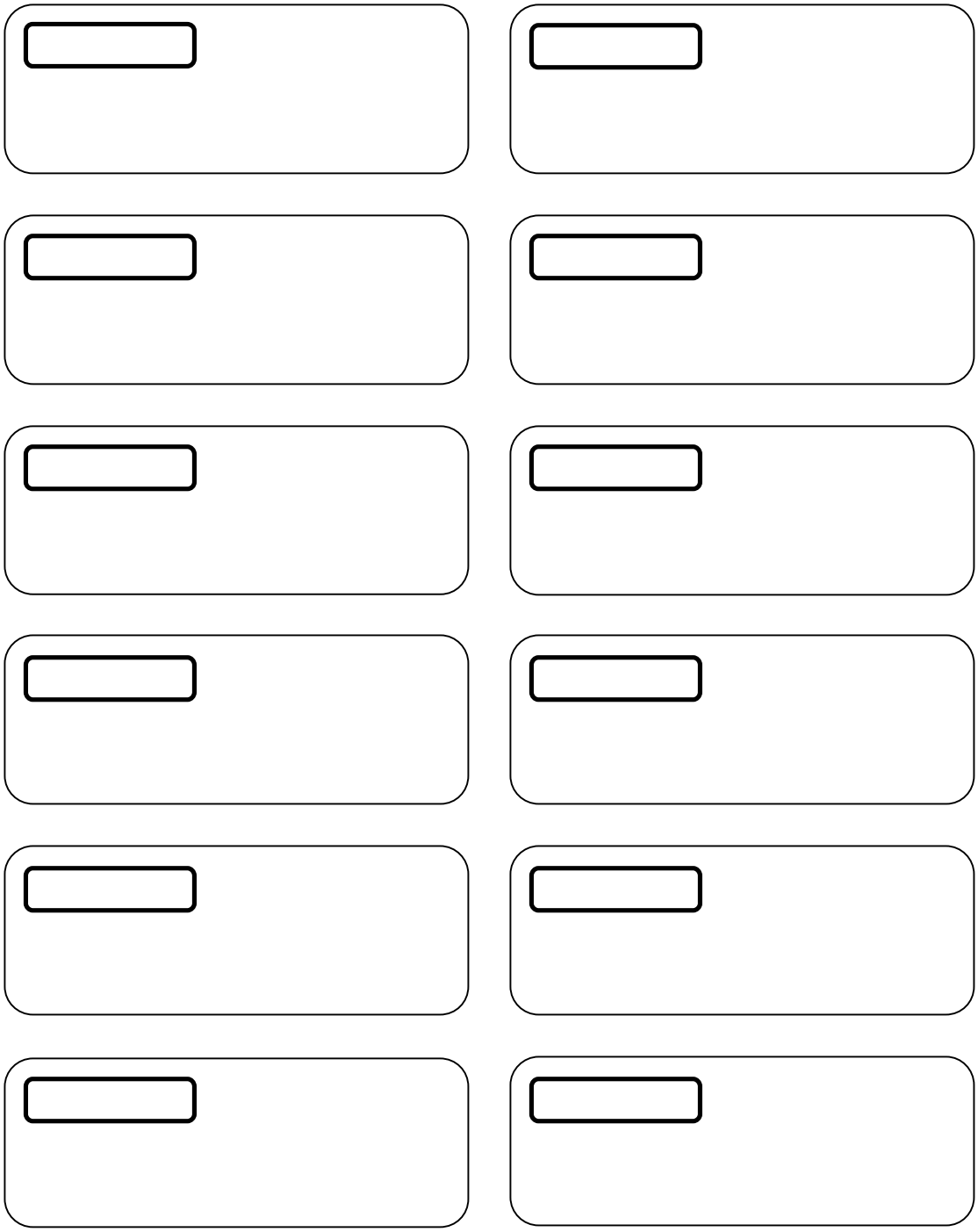
The Oriole Bird is in Trouble: Tangram



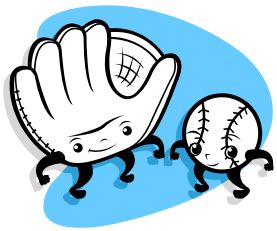


Anecdotal Record

Subject _____ **Lesson** _____



6.47	**8.09**
4.23	**3.45**
2.76	**1.39**
9.43	**8.06**
7.96	**1.27**
4.02	**3.91**



Use What You Know!

Predict using the symbols <, >, or =.

1. 567 [>] 563
2. 0.2 [=] 0.20
3. 0.4 [>] 0.04
4. 6.0 [=] 6

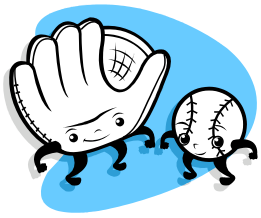
Write the word form for each number.

5. 2,397 **Two Thousand three hundred ninety seven**
6. 0.38 **Thirty eight hundredths**

Write each number in expanded form.

7. 9,477 **9,000 + 400 + 70 + 7**
8. 3.51 **3 + 0.5 + 0.01**

Use What You Know!



Predict using the symbols <, >, or =.

1. 567 [ ] 563
2. 0.2 [ ] 0.20
3. 0.4 [ ] 0.04
4. 6.0 [ ] 6

Write the word form for each number.

5. 2,397 _____
6. 0.38 _____

Write each number in expanded form.

7. 9,477 _____
8. 3.51 _____

Teacher Resource 6
(Answer Sheet)

Name: _____

Place Value Through the Hundredths

Here are different ways to represent 1.75.

Place Value Chart:

Ones	.	Tenths	Hundredths
1	.	7	5

Word Form: One and seventy five hundredths

Expanded Form: 1 + 0.7 + 0.05

The value of the 7 is 7 tenths. The value of the 5 is 5 hundredths.

Write the word name for each number and tell the value of the underlined digit.

1. 6.0<u>2</u> <u>Six and two hundredths; 2 hundredths</u>

2. 5.<u>3</u> <u>Five and three tenths; 3 tenths</u>

Write each number in standard form.

3. 7 + 0.7 + 0.04 <u>7.74</u>

4. Four and fifty eight hundredths <u>4.58</u>

Write the number in expanded form.

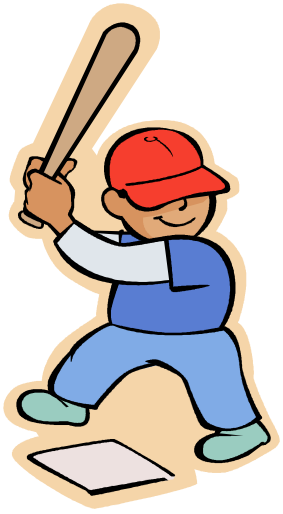
5. 4.34 <u>4 + 0.3 + 0.04</u>

6. 8.25 <u>8 + 0.2 + 0.05</u>

Better Batter

In the game of baseball, players' statistics are constantly being recorded. One statistic recorded is a player's batting average. A player's batting average equals the number of hits divided by the times a player is at bat.

Javy Lopez and Miguel Tejada of the Baltimore Orioles are arguing about who has the better, or greater, batting average. **Javy Lopez's batting average is 0.316. Miguel Tejada's batting average is 0.361. Which average do you think is the best?** Use what you know to determine who has the better batting average. Be able to explain your reasoning.



Major League Batting Averages

Directions: Pick a baseball card and record the player's name, batting average, expanded form, and word name of the decimal. Repeat until you have completed all baseball cards.

Player's Name	Batting Avg.	Expanded Form	Word Name
1. **Gary Matthews**	**0.324**	**0.3+0.02+0.004**	**Three hundred twenty four thousandths**
2. **Henry Blanco**	**0.250**	**0.2+0.05+0.000 or 0.2+0.05**	**Two hundred fifty thousandths or twenty five tenths**
3. **Josh Beckett**	**0.143**	**0.1+0.04+0.003**	**One hundred forty three thousandths**
4. **Kevin Reese**	**0.417**	**0.4+0.01+0.007**	**Four hundred seventeen thousandths**
5. **Derek Jeter**	**0.344**	**0.3+0.04+0.004**	**Three hundred forty four thousandths**
6. **Vernon Wells**	**0.322**	**0.3+0.02+0.002**	**Three hundred twenty two thousandths**
7. **Miguel Tejada**	**0.323**	**0.3+0.02+0.003**	**Three hundred twenty three thousandths**
8. **Chris Gomez**	**0.204**	**0.2+ 0.00+0.004 or 0.2+ 0.004**	**Two hundred four thousandths**

- Who do you think has the best batting average and why?

_____

_____

_____

0	1
2	3
4	5
6	7
8	9

ONES
TENTHS
HUNDREDTHS
THOUSANDTHS

Name: _____

World Series Challenge

Write the **word name** for each number.

1. 3.25 **Three and twenty-five hundredths**

2. 6.936 **Six and nine hundred thirty-six thousandths**

3. 41.8 **Forty-one and eight tenths**

4. 95.331 **ninety-five and three hundred thirty-one thousandths**

Complete the chart.

	DECIMAL	EXPANDED FORM	WORD FORM
5.	3.96	**3 + 0.9 + 0.06**	**Three and ninety-six hundredths**
6.	**2.471**	2 + 0.4 + 0.07 + 0.001	**Two and four hundred seventy-one thousandths**
7.	**6.035**	**6 + 0.03 + 0.005**	Six and thirty-five thousandths
8.	5.047	**5 + 0.04 + 0.007**	**Five and forty-seven thousandths**

9. What is the word name for 6.402?

O a. Six thousand, forty-two

O b. Six and forty twos

● c. Six and four hundred two thousandths

O d. Six and four hundred two

What is the value of the underlined digit?

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O c. 7 Hundredths
O d. 3 Thousandths

13. Write two interesting facts you have learned about baseball and why do you think that these facts are interesting?

<u>Accept appropriate answers. Answers may vary.</u>

_____

_____

_____

_____

_____

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Brief Constructed Response

Part A

Use the symbols <, >, or = to make the statement true.

0.3 $\boxed{=}$ 0.30

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Explain why your answer is correct. Use what you know about place value with decimals in explanation. Use words, numbers, and/or symbols in you explanation.

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